

## REMARKS

Claim 5 was previously cancelled. Claims 1, 3 and 4 are amended. Claims 1-4 remain in the Application. Reconsideration of the pending claims is respectfully requested in view of the above amendment and the following remarks.

### **I. Claims Rejected Under 35 U.S.C. § 102**

Claim 4 stands rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,300,690 issued to Jokela ("Jokela").

To anticipate a claim, the Examiner must show that a single reference teaches each of the elements of that claim. Independent Claim 4 is amended to incorporate a portion of allowable Claim 3. Among other elements, amended Claim 4 recites:

"g) returning to step a) by the second state signal having the state of power-on...., wherein the second state signal having the state of power-on is outputted from a JK flip-flop included in the power charge unit, wherein the JK flip-flop comprises,  
a power supply end connected to a battery included in the power charge unit, a J end for receiving the first state signal, a K end for receiving an inverted signal of the first state signal, and a Q end for outputting an output signal as a second state signal" (emphasis added).

Applicants submit that Jokela at least does not teach these elements.

Amended Claim 4 includes a JK flip-flop having a power supply end connected to a battery. The JK flip-flop tracks the state of a mobile terminal in order to indicate unintentional power off of the mobile terminal. The JK flip-flop maintains a final value of the second state signal that represents an abnormal power off of the mobile terminal **for a long time** as long as the battery it connects to ( $V_{BATT}$ ) has power (see paragraph [0050] and Fig. 2 of the specification). Thus, the JK flip-flop maintains the final value until the battery  $V_{BATT}$  is exhausted.

By contrast, Jokela discloses a hold circuit (HOLD) that supplies an enable input (EN) to a power supply (PWS). The hold circuit maintains the voltage at the enable input of the power supply **above the critical level for a certain period of time** (see

Abstract, col. 4, lines 41-47, and Fig. 4). Thus, if the unintentional switched-off time of the mobile terminal exceeds this “certain period of time,” the mobile terminal would not be switched-on automatically.

According to FIG. 4 of Jokela, the hold circuit maintains the voltage at the enable input by using a capacitor C1 that holds electric charges. However, as generally known in the field of physics, the electric charges in a capacitor dissipate over time if the capacitor does not receive a new supply of electric charges. When the battery (BAT) is disconnected from the mobile unit, the capacitor C1 does not receive any new electric charges. Thus, the hold circuit of Jokela maintains the voltage at the enable input of the power supply for only a temporary period of time, as limited by the electric charges in the capacitor C1. Thus, Jokela does not disclose the claimed JK flip-flop or any equivalent circuit that has a power supply end connected to a battery.

Accordingly, reconsideration and withdrawal of the anticipation rejection of Claim 4 are respectfully requested.

## II. Claims Rejected Under 35 U.S.C. § 103(a)

Claims 1 and 2 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Jokela.

To establish a *prima facie* case of obviousness, the relied upon references must teach or suggest every limitation of the claim such that the invention as a whole would have been obvious at the time the invention was made to one skilled in the art.

Similar to amended Claim 4, Claim 1 is amended to include the elements of “a JK flip-flop comprising a power supply end connected to the battery.” Thus, for at least the reasons mentioned above in regard to Claim 4, Jokela does not teach or suggest each of the elements of Claim 1.

Claim 2 depends from Claim 1 and incorporates the limitations thereof. Thus, for at least the reasons mentioned above, Jokela does not teach or suggest each of the elements of Claim 2. Accordingly, reconsideration and withdrawal of the obviousness rejection of Claims 1 and 2 are requested.

### **III. Allowable Subject Matter**

Applicants appreciate the Examiner's indication that Claim 3 would be allowable if rewritten in independent form including all of the limitations of the base claims and any intervening claims. Applicants respectfully submit that the amendment to its base Claim 1 has obviated the need to rewrite Claim 3. Thus, Claim 3 should be allowable at least for the reasons mentioned in regard to Claim 1. Accordingly, reconsideration and withdrawal of the objection to Claim 3 is requested.

### CONCLUSION

In view of the foregoing, it is believed that all claims are now in condition for allowance and such action is earnestly solicited at the earliest possible date. If there are any additional fees due in connection with the filing of this response, please charge those fees to our Deposit Account No. 02-2666.

Respectfully submitted,

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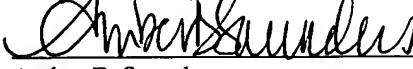
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